



ANNUAL REPORTS

OF THE

MEDICAL OFFICER of HEALTH

AND

Sanitary Inspector

FOR THE

Stafford Rural District Council

For the Year 1909.

STAFFORD:
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REPORT.

To the Chairman and Members of the Stafford Rural District Council.

EASTGATE,

STAFFORD,

MARCH 11, 1910.

MR. CHAIRMAN AND GENTLEMEN,

I have the honour to submit the Annual Report of the health of the Stafford Rural District for the year 1909. During this period the late Medical Officer of Health, Mr. S. Butler, held this post. All the required statistics are given in full, but the Summary is of necessity given briefly. I hope to furnish this in a more comprehensive form next year.

Area.

The district is divided into 24 parishes, and has a total area of 52,103 acres, giving an average of 4·68 acres per head of the population.

Population.

The population of the entire district, according to the census of 1901, was 10,407, and for the purpose of this report I have estimated the population in the middle of 1909 to be 11,120.

Births.

There were 234 births registered in the district during the year, 122 males and 112 females, giving a birth-rate of 21·0 for the whole district, against 247 births and birth-rate of 22·3 for the year 1908; giving an average for the past 10 years of 23·9.

Deaths.

The number of deaths registered in the district occurring during the year was 136, giving a death-rate of 12·2. There were, however, four deaths of "non-residents" in Coton Hill Asylum, and 20 of "residents" who died in the Staffordshire General Infirmary, Union, and County Asylum, making a total of 152 nett deaths belonging to the district; giving a nett death-rate of 13·6, against 12·6 for 1908.

Infantile Mortality.

There were 21 deaths of children under one year of age, giving an infant mortality rate of 89 deaths per 1,000 births registered, compared with 70 deaths per 1,000 in 1908; the average for the past 10 years being 24 deaths per annum.

Chest Diseases.

Ten deaths have occurred from Bronchitis, and 11 from Pneumonia.

1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
23	21	20	19	12	18	22	18	13	21

The average for the past 10 years being 18·7, against 19·1 in last year's report.

HEART DISEASE.—Thirteen deaths have occurred from this disease, against 15 last year.

1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
29	14	18	14	14	8	13	17	15	13

The average for the past 10 years being 15·5, against 16·4 in last year's report.

PHTHISIS.—Ten deaths have occurred from this disease.

1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
5	4	8	10	6	10	5	5	5	10

The average for the past ten years being 6·8, against 6·4 last year.

Cancer and Malignant Diseases.

Six deaths have occurred from these diseases, being a decrease of one on last year.

Zymotic Diseases.

During 1909 five deaths have occurred from zymotic diseases, giving a zymotic death-rate of 0·44 per 1,000 of the population.

Enteric ...	...	...	...	...	1
Diphtheria ...	...	...	...	...	1
Scarlet Fever ...	...	...	...	...	1
Whooping Cough ...	...	...	...	...	1
Epidemic Influenza ...	...	...	...	...	1

Scarlet Fever.

Fifty-two cases of Scarlet Fever have been notified during the year, Gayton providing 13 of these and Castle Church 10. The rest were distributed over eight parishes. Twenty-six were treated in Hospital. The unusual prevalence of this disease during the past year has been shared by Stafford and the surrounding district.

Diphtheria.

Thirteen cases of Diphtheria have been notified, against 14 of last year, these were distributed over nine parishes, the one death that occurred being in the parish of Stowe.

Enteric Fever.

Four cases of Enteric Fever have been notified during the year, one from Salt, two from Colwich, and 1 from Tillington, the only death occurring being at Tillington.

Isolation Hospital.

The Isolation Hospital is unsuitable and quite inadequate for the District. As a consequence active steps are being taken by your Committee with the object of considering the desirability of providing suitable accommodation.

Vaccination.

Successful ...	...	...	...	...	167
Dead ...	...	...	...	...	14
Postponed ...	...	...	...	...	1
Exemptions ...	...	...	...	...	47
Removed ...	...	...	...	...	5

Total...234

Inspection of Meat and Slaughter Houses.

At the special request of the Local Government Board I append the following information :

There are 13 Slaughter Houses in the District, 9 being used regularly, and 4 disused for some time.

Structurally they are in order and fit for the purpose of slaughtering and have convenient lairage.

They are inspected regularly, and as far as practical at the time of slaughtering.

One carcase of Beef, extensively tuberculous, was seized from a slaughter house at Haughton ; this had not been dressed, and was not intended for the food of man. The owner gave every assistance to convey the carcase to the Stafford Destroyer.

The Sanitary Inspector holds the Meat and Food Certificates of the Royal Sanitary Institute, dated 1904.

Tables of Statistics drawn up in accordance with the requirements of the Local Government Board and of the Home Office are appended.

I beg to remain,

Your obedient Servant,

HERBERT MARSON,

M.D., B.S. Durh., L.R.C.P. Lond., F.R.C.S. Eng,

Medical Officer of Health.

Annual Report of Sanitary Inspector.

MILFORD,

15th February, 1910.

To the Chairman and Members of the Stafford Rural District Council.

GENTLEMEN,

I have the honour to submit to you my Fourth Annual Report of the works carried out in my department during 1909.

There were 72 special Complaints received and attended to, and, with other Sanitary Defects found, make a total of 1,412 Defects, of which 1,055 were remedied, leaving 347 still on books.

WATER-SUPPLY.—Four Statutory Samples of Water were taken, same being condemned. Water Notices 'A' were served in each case, and the Wells cleansed.

Twenty-five other Samples were examined by Dr. Butler, 8 being suspicious, in which cases the Wells were cleansed.

The Water Supply of 249 Houses in the Colwich Parish was investigated, with the result that Water Notices 'A' were served on 6 Owners to provide a wholesome and sufficient supply of Drinking Water within a reasonable distance.

A House-to-House Inspection was maintained, including the whole of the Colwich Parish, special attention being given to Farm Houses and Premises. The Summary of Defects gives results.

DAIRIES, COWSHEDS, and MILKSHOPS ORDER.

Twenty-five applications to be Registered under this Order were received. In 20 cases the Cowsheds were unsuitable, but were put in order and duly Registered.

The following Tables will give the Defects found in Sheds, Dairies, Cooling Sheds, and Can Washing Premises :—

COWSHEDS.									DAIRIES, Cooling Sheds and Can Washing Premises.			
Floors Delapidated	Hanging in Cobwebs	Foul	Poor Ventilation	Bad Lighting	Cubic Capacity Low	Drain Inlets Inside	Farms	Sheds	Number	Foul	Drain Inlets Inside	Dark and Damp
22	58	36	6	174	14	99	144	381	144	3	11	3

PREMISES WHERE BUTTER AND CHEESE ONLY ARE MADE.

7	10	14	1	58	4	15	64	100	64	1	8	1
29	68	50	7	232	18	114	208	481	208	4	19	4

ALLEGED SMOKE NUISANCE, TILLINGTON.

With the addition of Messrs. Chance & Hunt's Works eleven chimneys have been added, making a total of 21, whose heights vary from 67 to 110 feet.

Seven special observations were kept (time 2 to 4 hours), and at other times when in the vicinity.

Volumes of Smoke of all shades were given forth in sufficient quantities to cause inconvenience to Householders, especially in times of fog.

One short chimney in connection with a Steam Generator on Messrs. Stubbs & Co.'s Works was fitted with a Force Draught. Same has now been bricked up, thus greatly reducing the density of smoke.

Yours obediently,

J. W. COOK.

SANITARY SURVEYING.

During the year 1909, 30 plans of new buildings were submitted to the Council for approval.

Houses Number	...	...	...	40
Houses Completed	...	...	...	18
Houses not Commenced	...	...	...	4
Houses in Course of Erection...	...	...	...	18

In 7 cases the Plans showed $4\frac{1}{2}$ -inch brickwork behind Fireplaces in Gable Ends. These were made 9-inch.

The various Defects found on Inspection during building were remedied on request.

The Buildings were constructed with good materials, on healthy sites, sufficiently lighted, ventilated and drained.

THE CASTLE CHURCH AND TILLINGTON SEWERAGE SCHEMES.

The Inspection and Flushing of the Sewers is carried out once in each month.

The systems on the whole work satisfactorily.

There are two points, however, that require periodical attention, namely, The Catchpit in Wolverhampton Road, which is cleansed by contract once per week at a cost of 5s. per week, and a Manhole in Garden at Beacon Street, which requires hand flushing once a month.

Improvements to the Sewering in other parts of the District have been carried out.

Yours obediently,

J. W. COOK.

TABLE I.
STAFFORD RURAL DISTRICT.

YEAR	Population estimated to middle of each year.	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Institutions in the District	Deaths of Non-Residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District.	Net Deaths at all Ages belonging to the District		
		Number	* Rate	Under 1 year of age		At all Ages.					Number	* Rate	
				Number	Rate per 1000 Births Registered	Number	* Rate						
								5	6	7			8	9	10	11	12	13
1	2	3	4										
1899	10880	265	24'3	17	64	136	13'4	9	9	6	133	11'7	
1900	10940	256	23'4	31	121	174	15'9	15	6	7	175	15'5	
1901	10460	248	23'7	26	95	168	16'0	30	24	14	155	14'3	
1902	10550	285	27'0	26	91	147	13'9	14	30	5	139	13'1	
1903	10630	249	23'4	22	88	133	12'5	11	11	8	130	12'2	
1904	10700	245	22'4	31	126	147	13'7	11	4	7	136	12'7	
1905	10780	263	24'3	26	106	151	14'0	19	12	7	146	13'5	
1906	10860	254	23'3	20	78	134	12'3	3	2	11	143	13'1	
1907	10940	261	23'9	17	65	135	12'3	8	...	6	141	12'8	
1908	11040	247	22'3	19	76	136	12'3	11	11	15	140	12'6	
Averages for years 1899-1908.	10778	257'3	23'3	23'5	91	146'1	13'6	13'1	10'9	8'6	14'3	13'1	
1909	11120	231	21'0	21	89	126	12'2	4	4	20	152	13'6	

* Rates in Columns 4, 8, and 13, calculated per 1,000 of estimated population.

Area of District in Acres (exclusive of area covered by water) } 52103
 Total population at all ages, 10407 } At Census of 1901
 Number of inhabited Houses 2170 }
 Average number of persons per house 4'8 }

1909.

TABLE II.

NAMES OF LOCALITIES.	Births Registered.						Deaths at all Ages.						Deaths under 1 year.					
	1904	1905	1906	1907	1908	1909	1904	1905	1906	1907	1908	1909	1904	1905	1906	1907	1908	1909
Baswich ...	11	16	15	13	15	19	11	13	11	5	13	10	1	2	...	...	2	...
Bradley ...	6	6	9	10	8	10	5	7	5	6	8	4	3	Nil	*1	1	1	1
Brocton ...	3	7	7	5	1	5	7	4	2	3	3	2	...	Nil	...	...	...	1
Castle Church.	30	43	41	39	39	27	20	16	18	23	13	21	6	3	3	2	1	1
ChartleyHolme	Nil	Nil	...	...	...	...	Nil	Nil	3	2	...	1	...	Nil	...	...	...	...
Colwich ...	40	36	35	37	32	29	24	13	19	14	25	26	8	4	1	1	1	3
Creswell ...	1	Nil	...	1	...	1	N	2	1	...	2	Nil	...	Nil	...	...	1	...
Ellenhall ...	3	7	3	7	3	5	1	5	3	3	1	4	...	1	...	2	...	...
Fradswell ...	8	3	5	4	5	1	1	4	4	1	1	1	1	Nil	1	...	...	...
Gayton ...	4	4	7	1	4	4	1	2	1	2	Nil	5	...	Nil	...	...	...	1
Haughton ...	13	4	6	9	13	7	5	2	3	6	5	2	2	Nil	...	1	...	...
Hopton & Coton	10	11	11	12	7	5	4	15	5	8	5	4	1	Nil	...	...	1	...
Ingestre ...	Nil	5	2	4	2	10	...	1	...	1	2	4	...	1	...	...	...	1
Marston ..	1	4	1	2	5	2	N	2	6	1	3	1	...	Nil	1	...	...	...
Ranton...	7	6	4	5	4	10	1	2	2	4	4	5	...	1	...	1	...	...
Salt and Enson	7	12	6	5	5	9	5	6	6	6	3	4	...	2	1	...	...	...
Seighford ...	17	28	25	24	29	32	7	13	10	6	14	15	1	1	1	...	2	4
Stowe ...	22	20	22	25	26	16	13	13	18	14	16	20	7	2	1	4	3	3
Tillington ...	35	36	41	35	38	23	17	18	6	13	13	19	2	7	7	2	5	4
Tixall ...	8	Nil	5	6	2	7	2	3	1	1	1	3	...	Nil	...	...	...	2
Weston ...	13	9	6	5	7	7	12	13	8	2	3	4	4	2	2	...	1	...
Whitgreave ...	5	5	2	9	3	4	Nil	Nil	1	5	5	1	...	Nil	...	3	1	...
Worston ...	Nil	1	...	1	...	1	Nil	Nil	...	...	...	...	...	Nil	...	...	...	...
Yarlet ...	1	Nil	1	2	...	...	Nil	Nil	1	1	...	...	...	Nil	1	...	...	...

TABLE III.

Cases of Infectious Disease notified during the Year 1909.

NOTIFIABLE DISEASE	CASES NOTIFIED IN THE WHOLE DISTRICT.								TOTAL CASES NOTIFIED IN EACH LOCALITY.															CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.									Total Cases removed to Hospital.	
	At all Ages.								1 Stowe and Chartley	2 Seighford	3 Castle Church	4 Salt and Enson	5 Coton and Hopton	6 Ranton	7 Bradley	8 Tixall	9 Colwich	10 Tillington	11 Stowe	12 Gayton	13 Marston	14 Fradswell	15 Haughton	1 Colwich	2 Tillington	3 Salt and Enson	4 Castle Church	5 Hopton	6 Gayton	7 Marston	8 Fradswell	9 Stowe		
Small-pox
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria...	13	...	...	...	...	...	...	1	2	2	1	1	2	2	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas...	4	...	Ages not given owing to want of uniformity in returns.					...	1	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	52	...	of uniformity in returns.					1	...	10	6	...	...	...	...	...	2	9	5	13	2	3	1	1	4	3	3	...	9	2	3	1	26
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	4	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	74	...	...	...	...	...	...	2	3	13	8	1	2	2	1	6	12	5	13	2	3	1	1	4	3	3	1	9	2	3	1	27	

TABLE IV.

Causes of, and Ages at, Death, during the year 1909.

CAUSES OF DEATH.	DEATHS OF RESIDENTS WHETHER OCCURRING IN OR BEYOND THE DISTRICT							DEATHS AT ALL AGES OF RESIDENTS BELONGING TO LOCALITIES WHETHER OCCURRING IN OR BEYOND THE DISTRICT.																		Total deaths whether of Residents or Non-residents in Public Institutions in the District.			
	All Ages.	Under 1 year.	1 and under 5	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards	Baswich.	Eradley.	Brocton.	Castle Church.	Chartley.	Colwich.	Ellenhall.	Fradswell.	Gayton.	Haughton.	Hopton & Coton.	Ingestre.	Marston.	Ranton.	Salt & Enson.	Seighford.	Stowe.	Tillington.		Tixall.	Weston.	Whitgreave.
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...
Whooping Cough	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...
Diphtheria inc. Membranous Croup	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...
Fever... { Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Other continued	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Enteritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis—Pulmonary Tuberculous	10	...	...	...	1	9	...	...	...	...	2	...	1	2	...	...	...	...	...	...	1	...	3	...	1	...	...	...	...
Other Tuberculous Diseases	3	...	1	1	...	1	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Cancer, Malignant Diseases	6	...	...	...	...	2	4	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	...	2	...	...	1	...	...
Bronchitis	10	...	...	...	...	3	7	1	...	...	1	1	...	...	...	1	...	...	...	...	...	1	...	2	3	1	...	1	...
Pneumonia	11	3	2	2	...	4	...	1	...	1	1	...	...	1	...	...	...	...	...	...	1	...	2	1	3	...	...	...	...
Pleurisy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholism—Cirrhosis of Liver	3	...	...	...	...	3	...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Venereal Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	5	5	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Diseases and Accidents of Parturition	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Heart Diseases	13	...	1	...	...	5	7	2	...	...	4	...	1	...	...	1	...	...	...	...	...	...	...	3	1	...	...	...	...
Accidents	6	...	...	1	2	2	1	1	...	...	1	...	...	...	...	...	...	2	...	...	...	1	...	...	1	...	...	...	...
Suicides	5	...	...	...	1	4	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...
Other causes	75	12	1	3	2	19	38	4	1	1	6	...	20	1	1	3	2	2	3	1	...	3	6	8	7	1	3	...	4
Totals	152	21	6	9	6	53	57	10	4	2	21	1	25	4	1	5	2	4	4	1	5	4	15	17	19	3	4	1	4

TABLE V. Infantile Mortality during the Year 1909.

Deaths from Stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 months	2-3 months	3-4 months	4-5 months	5-6 months	6-7 months	7-8 months	8-9 months	9-10 months	10-11 months	11-12 months	Total deaths under 1 year
Diphtheria (including Membraneous Group)	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Whooping Cough	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Diarrhoea, all forms	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Premature Birth	1	1	2	...	4	1	...	...	...	...	...	...	...	...	...	...	5
Congenital Defects	3	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	4
Atrophy, Debility, Marasmus	...	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2
Convulsions	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Bronchitis	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2
Pneumonia	...	...	...	...	...	...	1	1	...	...	...	...	...	...	1	...	3
Other Causes	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
All Causes...	4	4	2	...	10	1	3	2	...	...	...	2	1	...	1	1	21

STAFFORD RURAL DISTRICT.—Population estimated to middle of 1909..... 11120

Births in the Year ... 234

Deaths in the Year of Infants under 1 year ... 21

Deaths from all Causes at all Ages ... 156

Summary of Sanitary Work during the year 1909.

TABLE VI.

	NUMBER OF		ABATEMENT NOTICES.		Nuisances Abated after notice by	
	Inspections and observations made.	Defects Found	Informal by Inspector	Formal by Authority	Inspector	Authority.
Dwelling-houses and Schools :						
Foul Conditions	About 500	17	17	...	17	...
Structural Defects		41	41	3	23	3
Overcrowding	5	5	5	1	4	1
Unfit for Habitation ... ..	...	...	...	...	...	...
Lodging-houses... ..	...	...	...	...	...	...
Dairies and Milkshops	203	27	27	1	20	1
Cowsheds... ..	481	508	508	1	350	1
Bakehouses	8	1	1	...	1	...
Slaughter-houses	17	2	2	...	2	...
Canal Boats	25	10	10	...	10	...
Ashpits and Privies	65	65	65	...	51	...
Deposits of Refuse and Manure	35	35	35	...	35	...
Water Closets	29	29	29	5	18	...
House Drainage :						
Defective Traps	166	166	166	...	127	...
No Disconnection	3	3	3	...	3	...
Other Faults	219	219	219	...	178	...
Water Supply	255	10	10	10	...	4
Pigsties	18	18	18	...	16	...
Animals improperly kept ... ..	...	...	...	...	...	...
Offensive Trades ... ..	...	...	...	...	...	...
Smoke Nuisances	7	...	...	...	...	...
Other Nuisances	256	256	256	...	200	...
Totals	2297	1412	1412	21	1055	10

Number of Seizures—One Carcase of Beef 1
Samples of Water taken for Analysis 29
" " condemned as unfit for use 12
PRECAUTIONS AGAINST INFECTIOUS DISEASE.
Houses Disinfected after Infectious Disease 33
Schools " " " 3

TABLE VII.

Abstract of Particulars asked for by Home Office.

						Inspections	Notices
1.—Factories	...	...	...	...	...	—	—
Workshops	...	...	...	...	...	35	4
2.—Defects						Found	Remedied
Want of Cleanliness	...	...	...	...	...	—	—
Insufficient Ventilation	...	...	...	...	...	1	1
Want of drainage of floors	...	...	...	...	...	2	2
Other Nuisances	...	...	...	...	...	2	2
Sanitary Accommodation not separate for Sexes						—	—
Other Offences	...	...	...	...	...	—	—
3.—Other Matters :							
Notified to H.M. Inspector :							
Failure to affix Abstract of Factories and							
Workshops Act	...	...	...	...	...	...	—
Notified by H.M. Inspector	...	...	...	...	...	...	—
Reports to H.M. Inspector	...	...	...	...	...	...	—
Underground Bakehouses in use	...	...	...	...	...	...	—
4.—Home Work :							
Outworkers, 6 (in the Boot Trade only).							
5.—Workshops on Register at end of 1909, 41 ; occupied 39.							
Chief Trades therein :							
Blacksmiths	...	...	...	...	...	...	9
Wheelwrights	...	...	...	...	...	...	3
Carpenters	...	...	...	...	...	...	4
Saltmakers	...	...	...	...	...	...	3
Shoemakers	...	...	...	...	...	...	9
Brickmaking	...	...	...	...	...	...	1
Bakers	...	...	...	...	...	...	8
Saddlers	...	...	...	...	...	...	2
Cooper	...	...	...	...	...	...	1
Motor Garage	...	...	...	...	...	...	1

